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CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 11 September 1951

SUBJECT Construction of a Locomotive Fitted
with Coal-Crushing Facilities

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1. Hans Wendler, who was awarded a National Prize, has developed a locomotive fitted with coal-crushing facilities. The first trial run, which is said to have been a complete success, took place on 1 May 1951 on the Stendal (L 53/Y 85)-Berlin railroad line.

2. [REDACTED] Wendler personally stated that the new locomotive was fired with dried crude lignite or broken briquettes. From the tender the coal drops via a chute into a combustion chamber where it is put under pressure of steam at a temperature of 800 to 1,000° C. The coal is then hurled against a steel plate where it explodes into dust which is sucked up by a blast-pipe system into the boiler. The coal dust burns like a gas flame. *

2. [REDACTED] Comment. From the data furnished [REDACTED] it cannot be determined whether the locomotive concerned is an entirely new design or only a further development of the coal-dust burning locomotive. [REDACTED] Wendler was awarded the Soviet Zone National Prize for his outstanding work in the development of the coal-dust burning locomotive.

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